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## FURNACE-TYPE ATOMIC ABSORPTION SPECTROPHOTOMETER

## Abstract of the Disclosure

A furnace-type atomic absorption spectrophotometer heats a sample by controlling a heating current passed to the tube inside which the sample is held. The temperature of the tube is monitored and the heating current is controlled, say, by a phase control method, such that the monitored temperature will approach a specified target temperature. The spectrophotometer includes a control unit which determines a quantity of a specified operation for the heating control such as a firing angle by a PID control calculation on the difference between the monitored temperature and a target temperature value. PID parameters are determined such that the minimum detectable quantity can be reduced.